March 8, 2015
17:00-19:00 Registration

March 9, 2015
9:00-09:30 Registration
9:30-09:45 Opening Ceremony

9:45-10:30 Lecture by 2014 JSTP International Prize Winner-1
Chair: Prof. Isogawa, S., Daido University
Utilizing Stress Superposition in Metal Forming
Prof. Tekkaya, A. E., Technische Universität Dortmund

10:30-12:00 Keynote Lectures-1
Chair: Prof. Isogawa, S., Daido University
10:30-11:00 Residual Stresses and Distortions in Heat Treated Rolled Ring
Prof. Altan, T., Ohio State University
11:00-11:30 Light-Weight Vehicles by Aluminum Application
Dr. Fujikawa, S., Nissan Motor Co., Ltd.
11:30-12:00 Piercing Extrusion for Long Hollow Component
Dr. Murai, E., Nichidai Corp.

12:00-13:00 Lunch

13:00-15:00 Keynote Lectures-2
Chair: Prof. Kitamura, K., Nagoya Institute of Technology
13:00-13:30 Influence of Elastic Deformation and Thermal Contraction on
Accuracy of Cold Forged Product
Prof. Ishikawa, T., Nagoya University
13:30-14:00 FEM Analysis on Precision Forming of Dissimilar Materials
Dr. Lee, Y. S., Korea Institute of Materials Science
14:00-14:30 Cold Forging Process Using AC Servo Press
Mr. Kawamoto, K., Komatsu Industries Corp.
14:30-15:00 Special Steels for Forging Applications
Dr. Nagashima, T., Daido Steel Co., Ltd.

15:00-15:20 Coffee Break

15:20-16:20 Oral Presentations of Young Invited Researchers/Engineers-1
Chair: Prof. Matsumoto, R, Osaka University
with a Response Surface Model
Mr. Dierdorf, J., RWTH Aachen University
15:35-15:50 Analysis of Ingot Forging Damage Evolution Using Different
Simulation Methods
*Dr. Christiansen, P., Technical University of Denmark*

15:50-16:05 Novel Extrusion Punch Design for Improved Punch Ejection
*Mr. Lowrie, J., North Carolina State University*

16:05-16:20 Enhanced Stretch Formability of Magnesium Alloy Sheet at Room Temperature by Texture Modification
*Mr. Kim, S.J., Korea Institute of Materials Science*

16:20-16:30 Break

16:30-17:30 Oral Presentations of Young Invited Researchers/Engineers-2
Chair: *Prof. Hayakawa, K., Shizuoka University*

16:30-16:45 Influence of Forging Temperarute on Solid Lubricants Behaviour in Cold Forging
*Dr. Medea, F., University of Padova*

16:45-17:00 Improvement of Seizure Resistance in Cold Extrusion of Alminium Alloy Billet Using Die Having Heterogeneous Surface
*Mr. Daodon, W., Toyohashi University of Technology*

17:00-17:15 Effect of Divided Flow Method on Cold Forging of Cylindrical Gears
*Mr. Narumiya, H., Nippon Steel & Sumitomo Metal Corp.*

17:15-17:30 Numerical and Experimental Study of Hydro-forging of a Water Pump Component
*Dr. Xu, Y., Chinese Academy of Sciences*

18:00-20:00 Gala dinner (Banquet)

March 10, 2015

9:00-09:45 Lecture by 2014 JSTP International Prize Winner-2
Chair: *Prof. Wang, Z. G., Gifu University*

Development of New Forming Processes
*Prof. Mori, K., Toyohashi Institute of Technology*

9:45-11:15 Keynote Lectures-3
Chair: *Prof. Yoshida, Y., Gifu University*

9:45-10:15 Tribology for Precision Forging
*Prof. Kitamura, K., Nagoya Institute of Technology*

10:15-10:45 Current State of Controlled Forging Processes
*Prof. Isogawa, S., Daido University*

10:45-11:15 Current State of Plate Forging
*Prof. Wang, Z. G., Gifu University*

11:15-11:20 Break

11:20-11:50 Oral Presentations of Young Invited Researchers/Engineers-3
Chair: *Prof. Terano, M., Tokyo Institute of Technology*

11:20-11:35 Developments in Composite Extrusion
*Mr. Dahnke, C., Technische Universität Dortmund*

11:35-11:50 Characterization of the Elastic Spring Back Reduction Due to High Speed Loading Under Magnetic Pulse Forming by Means of Finite Elements Analysis
*Mr. Alves, J. R., PSL – Research University*
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<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>11:50-12:00</td>
<td>Group Photograph</td>
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<tr>
<td>12:00-13:00</td>
<td>Lunch, (Preparing poster)</td>
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<tr>
<td>13:00-14:00</td>
<td><strong>Poster Session of Young Invited Researchers/Engineers</strong></td>
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</tbody>
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| Measurement of Friction Coefficient by Backward Extrusion with Rotating Tool  
  Mr. Kamiyama, M., Toyota central R&D  
Simulation and Optimization the Hot Forging Process of IN718 Turbine Disk  
Dr. Zhang, H., Ningbo University of Technology  
Study of an incremental forging process for a screwed pipe  
Dr. Jin, J. S., Huazhong University of Science & Technology  
Hollow Lateral Extrusion without Lateral Mandrel  
Mr. Napierala, O., Technische Universität Dortmund  
Successive forging of tailored blank having thickness distribution for hot stamping  
Ms. Tajul, L., Toyohashi University of Technology  
Cold punching of high strength die-quenched steel sheets  
Mr. Jaafar, H., Toyohashi University of Technology  
Light weight forging crankshaft process development  
Mr. Miura, D., Honda Engineering Co., Ltd.  
Surface Finishing Process and Fatigue Life of Carbide Tool Alloy  
Mr. Taniguchi, M., Dijet Industrial Co., Ltd.  
The Reversion Process Applied to a Plastic Working for High Strength Aluminum Alloys  
Mr. Kato, K., UACJ Corporation |
| 14:00-14:15     | Break                                         |
| 14:15-15:15     | **Oral Presentations of Young Invited Researchers/Engineers-3**  |
| 14:15-14:30     | A Study of Efficient Fabrication Method of Metal Dot Array Using the Micro Metal Forming by a Polymer Mold  
  Mr. Potejanasak, P., Tokyo Institute of Technology  |
| 14:30-14:45     | Achievable Geometries in Flexible Radial Profile Ring Rolling  
  Mr. Cleaver, C. J., University of Cambridge  |
| 14:45-15:00     | Surface Defect Inspection of Forged Products Using Image Processing  
  Dr. Liu, H., Nissan Motor Co., Ltd.  |
| 15:00-15:15     | Anisotropy and Fracture Modes I and III in a Flange Test Specimen  
  Dr. Nielsen, C. V., Technical University of Denmark  |
| 15:15-15:35     | Coffee Break                                  |
| 15:35-16:20     | **Keynote Lectures-4**                        |
| 15:35-16:20     | A Brief View Into the Future of Precision Cold Forging  
  Dr. Haensel, M., ThyssenKrupp AG  |
| 16:20-18:30     | **Discussion on Precision Forging**           |
| 18:30-20:00     | Dinner                                        |
March 11, 2015:

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:00-16:30</td>
<td>Plant tour</td>
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<tr>
<td>8:00</td>
<td>Departure</td>
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<tr>
<td>9:00-11:00</td>
<td>Toyota Motor Co., Ltd., Kinuura plant</td>
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<tr>
<td>11:00-13:30</td>
<td>Transfer &amp; Lunch</td>
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<tr>
<td>13:30-15:30</td>
<td>Nippon Steel &amp; Sumikin Precision Forge, Inc.</td>
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<tr>
<td>15:30-16:30</td>
<td>Return to the Hotel</td>
</tr>
</tbody>
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March 12, 2015:

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:00-21:00</td>
<td>Plant tour and Visit to Nichidai Corporation</td>
</tr>
<tr>
<td>(Check out if leaving Nagoya on March 12)</td>
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<tr>
<td>8:00</td>
<td>Departure</td>
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<tr>
<td>9:00-11:00</td>
<td>Aisin AW, Co., Ltd.</td>
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<tr>
<td>11:00-14:30</td>
<td>Transfer &amp; Lunch</td>
</tr>
<tr>
<td>14:30-19:00</td>
<td>Nichidai Corporation (plant tour, farewell party)</td>
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<tr>
<td>19:00-21:00</td>
<td>Return to the Hotel</td>
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